

IN CRUISES

75029

Cruise Report

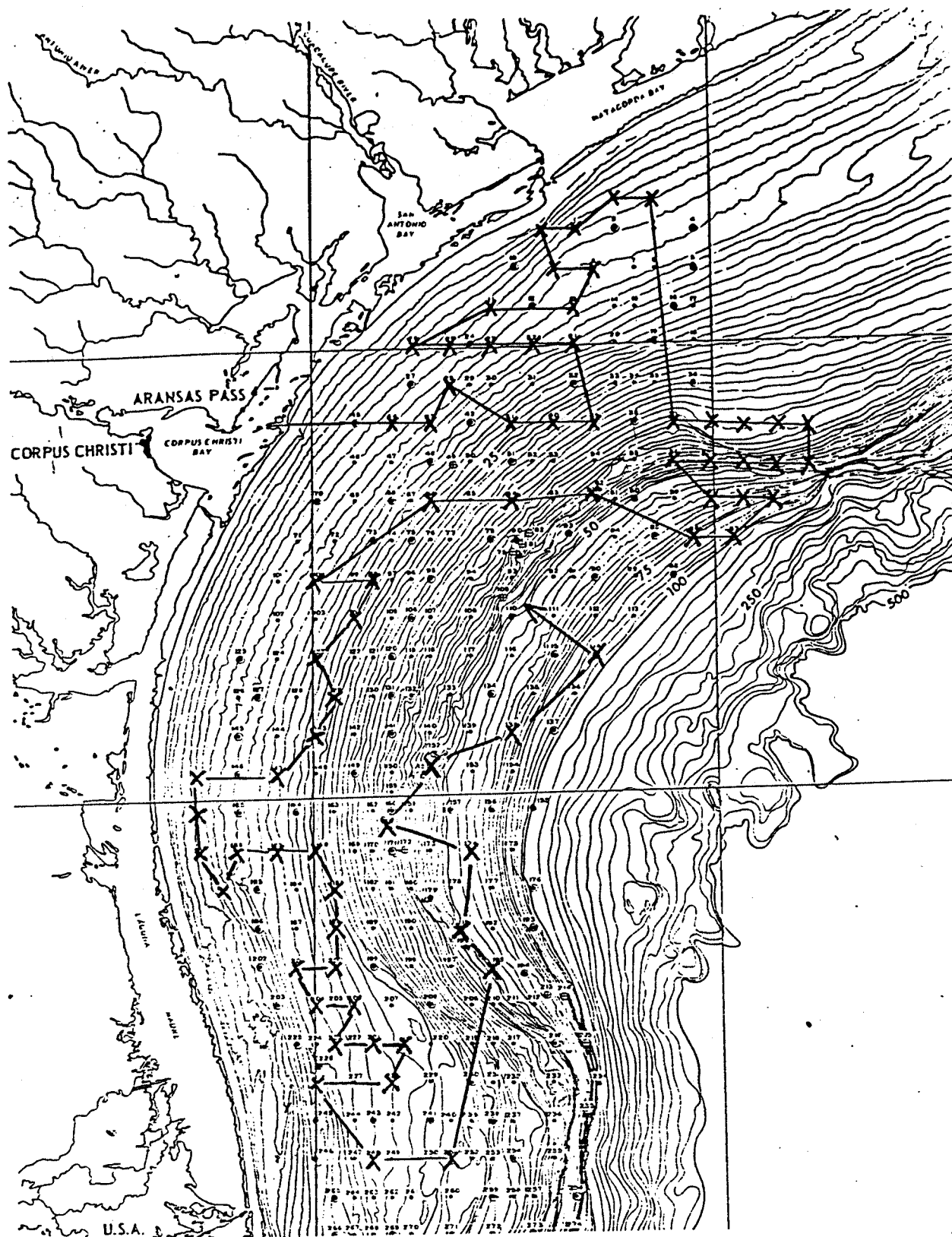
(South Texas OCS Project)

1. Ship: R/V Fay
2. Cruise Number/Leg: 007
3. Area of Operations: South Texas OCS between Matagorda Bay and the U.S./Mexico international border. Work extended from the 50 ft. isobath to the shelf break at 600 ft. Area encompassed within 26°0'-28°25' N latitude and 95°57'-97°15' W longitude.
4. Dates of Operation & Port Stops: Cruise period from 11-21-75 to 11-26-75. Port stops consisted of Corpus Christi and Port Aransas, Texas.
5. Personnel & Affiliations:

Ship Captain:	James P. Olander	
Chief Scientist:	Gary W. Hill	(U.S.G.S.)
Scientific Crew:	Mike Dorsey	(U.S.G.S.)
	Cary Pyle	"
	Ken Roberts	"
	Mike Kirkman	"
	Jim Woods	"
	Dave Botts	(Lorac)
	Ron Miller	(U.S.G.S.)
	Bob Vitaglione	"
	Felicity Ohrm	"
	Jack Kindinger	"
	Stan Linguist	"
	Scotty Heald	"
	Sonny Hale	(Lorac)

6. Purpose: The general scientific objective of the cruise was to investigate the shallow subsurface sediments within the South Texas OCS. Specific objectives consisted of the following: A) Obtaining pipe cores to fill data gaps in the station grid established for initial sampling. Five areas were selected for closer-spaced sampling on the basis of FY 75 results, in order to determine sources of sediment and depositional trends in specific parts of the shelf. b) Obtaining hydraulically dampened cores to provide undisturbed samples of the uppermost few centimeters of sediment for studying rates of sedimentation.
7. Scientific Equipment: Equipment utilized includes: gravity/piston pipe corers, hydraulically dampened corer.

8. Navigation Techniques: All stations were positioned by LORAC precision navigation. Time meridian is 90° W.
9. Data Acquired: A. 103 pipe cores. B. 5 hydraulically dampened cores.
10. Comments: The objectives of the cruise were accomplished within the time frame allotted and without any outstanding problems. The concern of the ship's captain and the LORAC navigators for the success of the cruise was genuine and resulted in development of an excellent working relationship between the scientific party, ship's crew, and navigators.
11. Tabulated Information:
 - a. Days at sea - 6
 - b. Working days at sea - 6
 - c. Total ship's track (km) - 560
 - d. Continuous data (km) - not applicable
 - e. Total number of stations - 98
 - f. Number of sample types - 103 pipe cores, 5 hydraulically dampened cores.
12. Track Chart: Attached.



Track Chart, Cruise 007